

ABSTRACT

A network address translation gateway provides normal network translation for IP datagrams traveling from a local area network using local IP addresses to an external network, but suspends source service address ~~(port)~~ translation when the port is reserved for a specific protocol, such as the ISAKMP "handshaking" protocol that is part of the IPSec protocol model. ISAKMP exchanges require both source and target computers to use the same service address ~~(port)~~. By providing a network interface that does not translate the source service address ~~(port)~~, this gateway enables the initiation and maintenance of secure, encrypted transmissions using IPSec protocol between a local area network using local IP addresses and servers on the internet.